



# DigiStreet

## BGP762 LED159-/830 II DM70 DGR DDF27 D18

DigiStreet Medium - LED module 15900 lm - 830 warm white - Safety class II (II) - Distribution medium 70 - Dark gray - Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode - Spigot for diameter 62 mm

Developed with the aim of becoming your long-term partner, the system-ready architecture of DigiStreet enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come! Its two sockets enable you to connect directly to the Philips CityTouch system and it is also prepared to connect you to the future innovations of IoT. Next to this, each individual luminaire is uniquely identifiable, thanks to the Philips Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making maintenance and programming operations faster and easier, no matter what stage of the luminaire's lifetime. DigiStreet is also equipped with dedicated light recipes that: 1) maintain optimal ecosystems for bats or 2) preserve a dark night sky.

### Product data

General Information		Control interface	Internal (no external connection)
Lamp family code	LED159 [ LED module 15900 lm]	Connection	SI [ Screw connection block]
Light source colour	830 warm white	Cable	-
Light source replaceable	Yes	Protection class IEC	Safety class II (II)
Number of gear units	1 unit	Flammability mark	NO [ -]
Driver/power unit/transformer	PSDD [ Power supply unit with DynaDimmer]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optical cover/lens type	FG [ Flat glass]	Warranty period	5 years
Luminaire light beam spread	-	Optic type outdoor	Distribution medium 70

Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB (16 A type B)	8
EU RoHS compliant	Yes
Light source engine type	LED
Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts
Product family code	BGP762 [ DigiStreet Medium]

## Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	0°

## Operating and Electrical

Input Voltage	220-240 V
Input frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power factor (min.)	0.99

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing material	Aluminum die-cast
Reflector material	Polycarbonate
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Stainless steel
Mounting device	62 [ Spigot for diameter 62 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	860 mm
Overall width	361 mm
Overall height	107 mm
Effective projected area	0.068 m <sup>2</sup>
Colour	Dark gray

Dimensions (height x width x depth)	107 x 361 x 860 mm (4.2 x 14.2 x 33.9 in)
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## Approval and Application

Ingress protection code	IP66 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [ 10 J]
Surge protection (common/differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	13920 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	118 lm/W
Init. Corr. Colour Temperature	3000 K
Init. Colour rendering index	80
Initial chromaticity	(0.43, 0.40) SDCM <5
Initial input power	118 W
Power consumption tolerance	+/-11%
Init. colour rendering index tolerance	+/-2

## Over Time Performance (IEC Compliant)

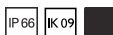
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L96

## Application Conditions

Ambient temperature range	-40 to +50 °C
Maximum dimming level	50%

## Product Data

Full product code	871869637831100
Order product name	BGP762 LED159-/830 II DM70 DGR DDF27 D18
EAN/UPC – product	8718696378311
Order code	37831100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910925866221
SAP net weight (piece)	8.940 kg

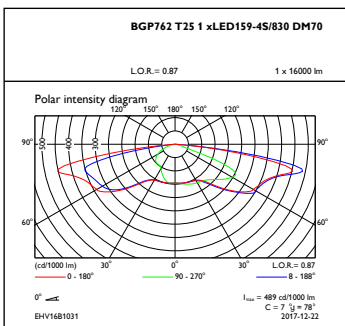


Dimensional drawing



DigiStreet BGP760-BTP764

Photometric data



OFPC1\_BGP762T251xLED159-4S830DM70

